

## **ABSTRACT**

A system, method, and article of manufacturer for programming processing operations within a server and more particularly to a system, method, and article of manufacturer for programming processing operations of tracking data through a multi-  
5 tier computing architecture. The method includes dragging a graphical representation for a server processing resource from a server explorer module to a visual design surface module to add a processing to a programmable data object being created in the visual design surface module, identifying data schema associated with the server processing resource added to the programmable data object, creating a typed dataset  
10 containing the data structures corresponding to the data schema associated with the server processing resource, creating a command adapter to provide data transfer commands within the programmable data object between the programmable data object and the server processing resource, and creating a data transfer connection between the programmable data object and the server processing resource.